

# DYJN-102 静态扭矩传感器 Static torque sensor



## 产品综述 Product Reviews

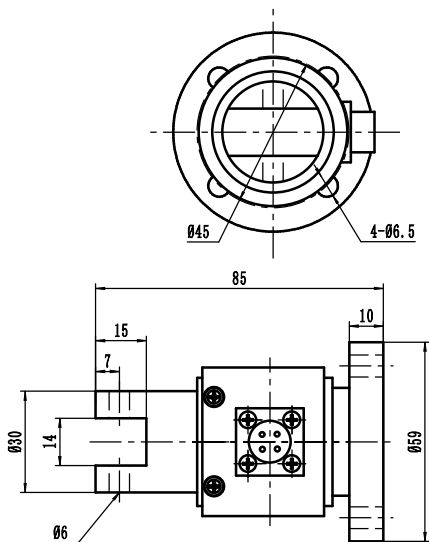
**特性:**  
结构紧凑便于安装, 防护等级:IP65,用于静态,非连

**应用领域:**  
万能材料试验机、料斗秤、吊钩秤、包装秤、皮带秤、插拔力测试仪等拉压力测试仪器以及自动化设

**Characteristic:**  
Compact structure, easy to install, protection grade: IP65, used for torque measurement of static and non continuous rotation.

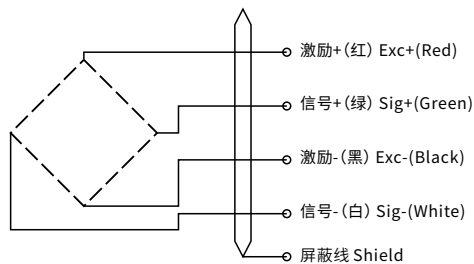
**Application fields:**  
Universal material testing machine, hopper scale, hook scale, packaging scale, belt scale, plug-in force tester and other tension and pressure testing instruments as well as automation equipment and testing peld.

外形尺寸 External Dimension

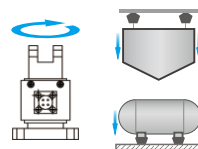


量程(N.m) 10 20 30 50 100 200

传感器接线示意图 Sensor wiring diagram



传感器受力图 Force diagram of sensor



## 参数表 Parameters Table

量程 Capacity	0-200N.m	材质 Material	合金钢
输出灵敏度 Rated Output	2.0±10% $mV/V$	阻抗 Impedance	350 $\Omega$
零点输出 Zero Balance	±2%F.S.	绝缘电阻 Insulation	≥5000M $\Omega$ /100VDC
非线性 Non-Linearity	0.3%F.S.	使用电压 Operating Temp Range	5-15V
滞后 Hysteresis	0.1%F.S.	工作温度范围 Operating Temp Range	-20-80°C
重复性 Repeatability	0.1%F.S.	安全过载 Safe Overload	120%
蠕变(30分钟) Creep(30min)	0.1%F.S.	极限过载 Maximum Overload	150%
温度灵敏度漂移 Temp Effect on Output	0.05%F.S./10°C	电缆线规格 Cable Specifications	φ5x3m
零点温度漂移 Temp Effect on Zero	0.05%F.S./10°C	线缆极限拉力 Cable ultimate pull	10kg
响应频率 Response frequency	10kHz	TEDS可选	